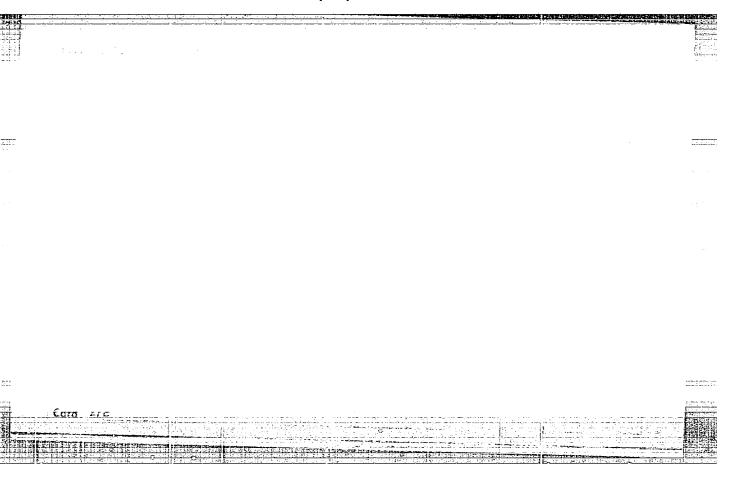
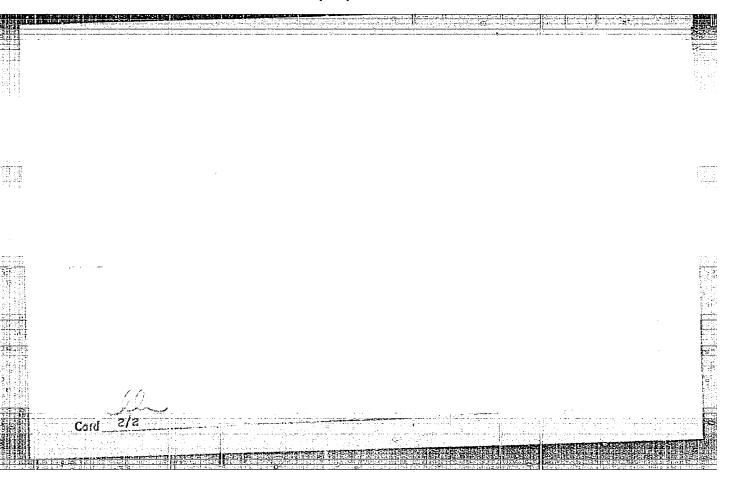
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Gesium thermionic converter with tungsten tathods at high cathode temperature, Doklady BAN 16 no.51493-496 163.

1. Institute of Electronics, Bulgarian Academy of Sciences. Submitted by Corresponding Member E. Djakov [Dzhakov, E.].

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"Observations on Current Public Health Problems at Opstina Level."

Belgrade, Marodno Zdravlje, Vol 19, No 9, 1963, pp 291-294.

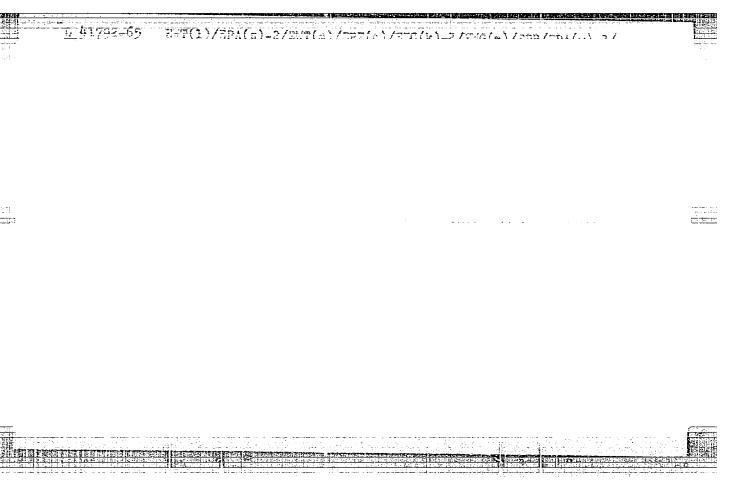
Abstract: The author reports on the basis of his inspection of socialmedical and hygienic-epidemiological work on the part of health institutions in the 18 opstinas of the srez of Sarajevo that considerable progress has been made in relation to physical and staff conditions but that a lack of financing has crippled preventive medicine, that communal health goals are in need of better definition, that physicians need to be better trained socially and organizationally, that nurses are in increasingly short supply, that salaries should be fully based on output and effect, that long-range planning is vitally needed, that statistics are essential to realistic planning but are nevertheless the most neglected aspect of work in the institutions studied, that unhumane attitudes toward patients and long waiting continue to be the rule, that many services which can now be obtained by patients only through "connections" or outright bribery should be the subject of supplementary charges laid to the patient himself in whole or in part, and that the srez public health institute ought to play a leading role in coordinating communal efforts in this respect. No references.

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1. Physical Institute at the Bulgarian Academy of Sciences.



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SO: Journal of General Chemistry
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• .	(EDUCATION, MEDICAL *U.S.)							
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YUGOSLAVIA

ZARKOVIC, G.; FAJGELJ, A.; and POPOVIC, N.; Department of Public Health and Sanitation (Institut za higijenu i socijalnu medicinu, Medicinski fakultet) of Medical College, Sarajevo.

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Zagreb, Arhiv za Higijenu Rada i Toksikologiju, Vol 16, No 4, 1965; pp

Abstract [English summary modified]: Report of investigation on the percutaneous penetration of I₁₃₁ in 17 men and 12 women during 48 hours, as 80 to 100 µc of NaI₁₃₁ under plastic occlusive dressing. Sodium perchlorate 100 mg. was fed daily to prevent thyroid uptake of isotope. Absorption was found higher in women, and higher on the dorsal than palmar manuscript received 10 Feb 65.

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APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963830001-0'

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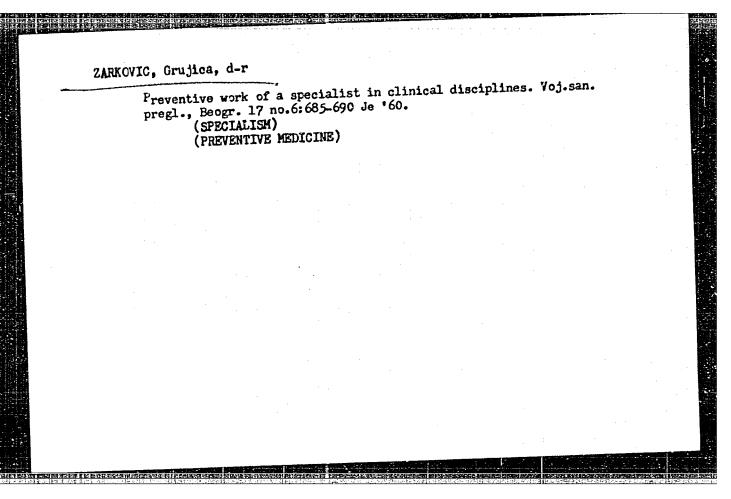
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1. Medicinski fakultet, Sarajevo.

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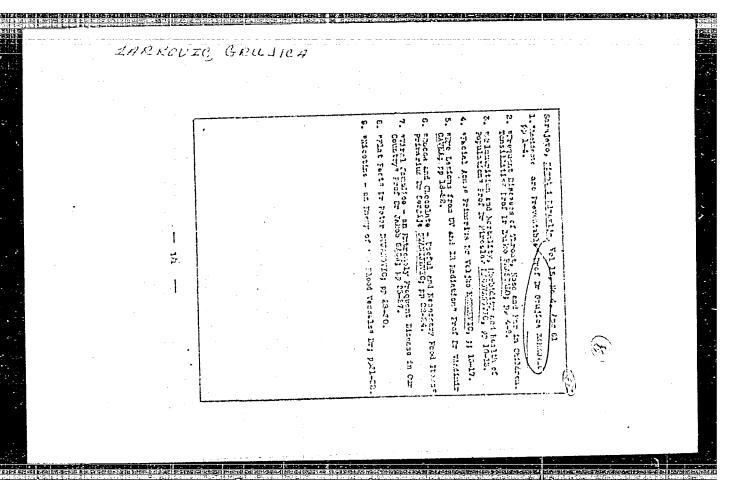
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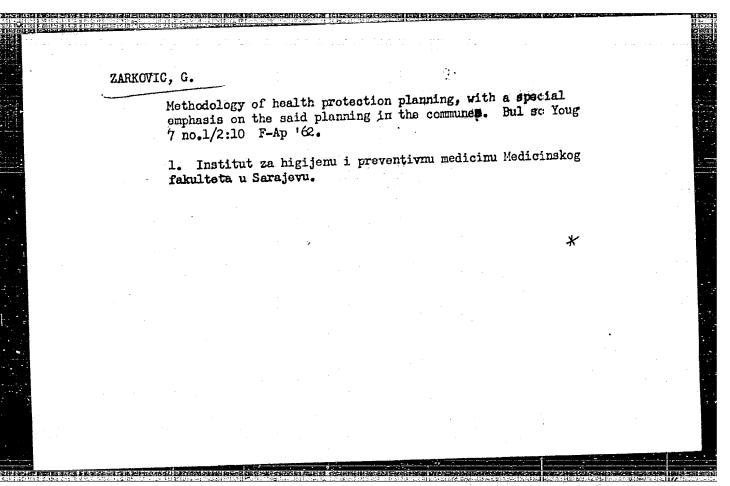
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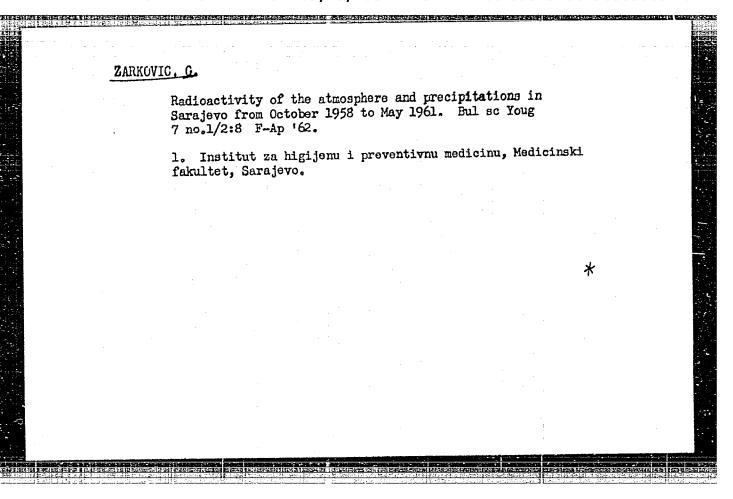




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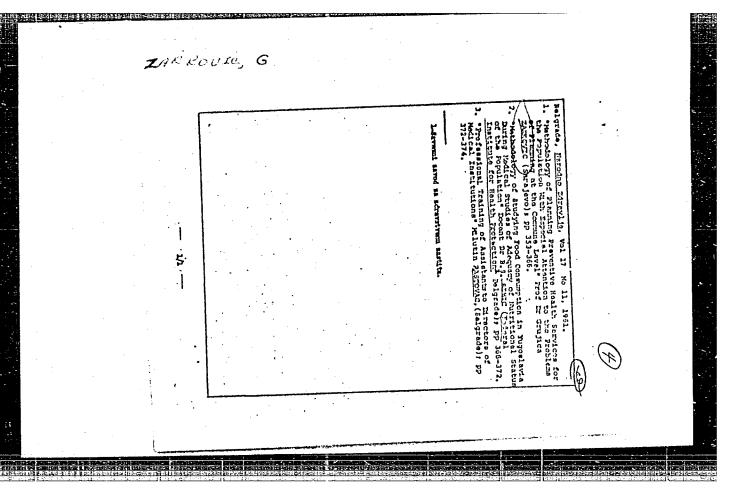
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Belgrade, Narodno Zdravlje, Vol 19, No 6, 1963, pp 184-196.

Abstract: The author points out that the existence of eight medical and three stomatological faculties on an independent basis has led to numerous differences of emphasis, e.g., only specialists and not general practitioners are trained in Ljubljana while medical students in Skoplje no longer study physics, chemistry, or biology. He then discusses specific aspects of instructional standards, viz., duration of instruction (a shortened period with one year of practical work is suggested), instructional plans (an effort at uniformity dating from 1958 was soon forgotten), student selection methods (numbers should be limited, and the proportion of students who can graduate without delays should be increased to 90 percent), study and examination methods (the emphasis is currently on examinations rather than instruction), instruction methods (overemphasis on momory work), instruction quality, possibilities for scientific research work, and students' living conditions. The author proposes that the faculties, physicians' societies, and public health agencies combine to adopt minimal countrywide standards. No references.

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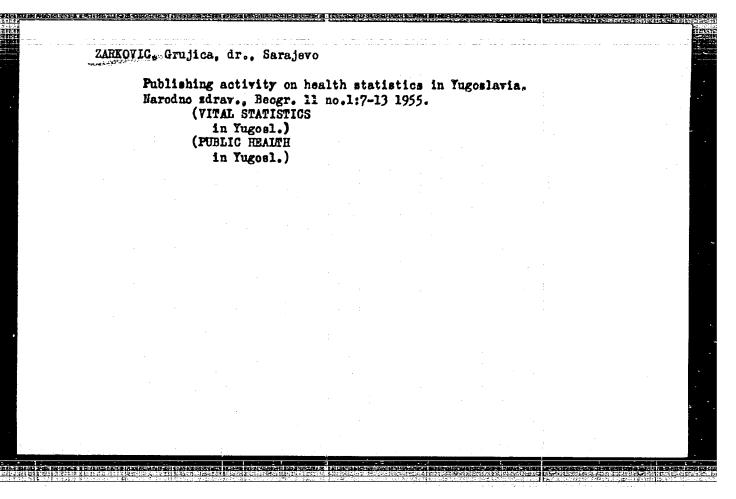
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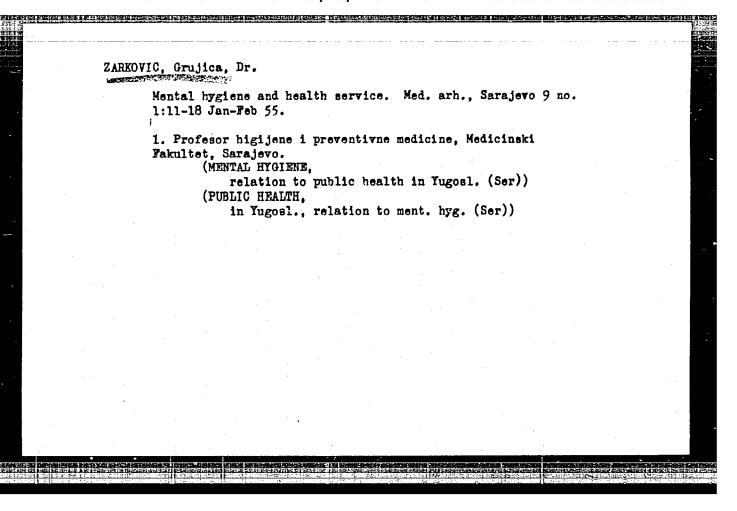
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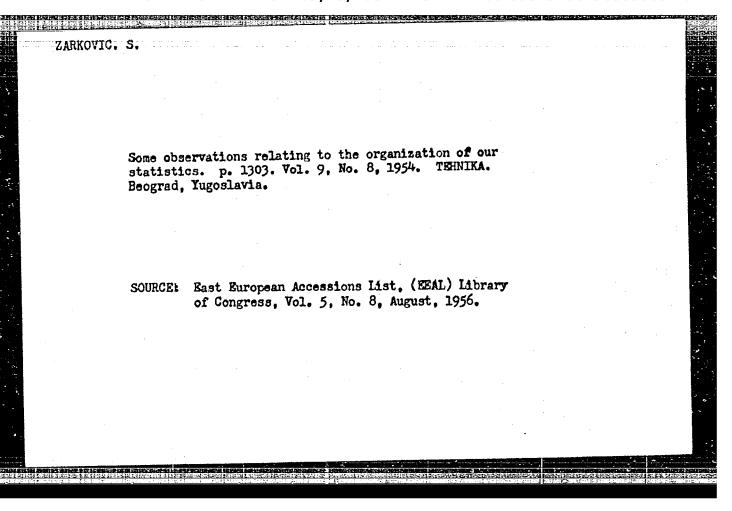
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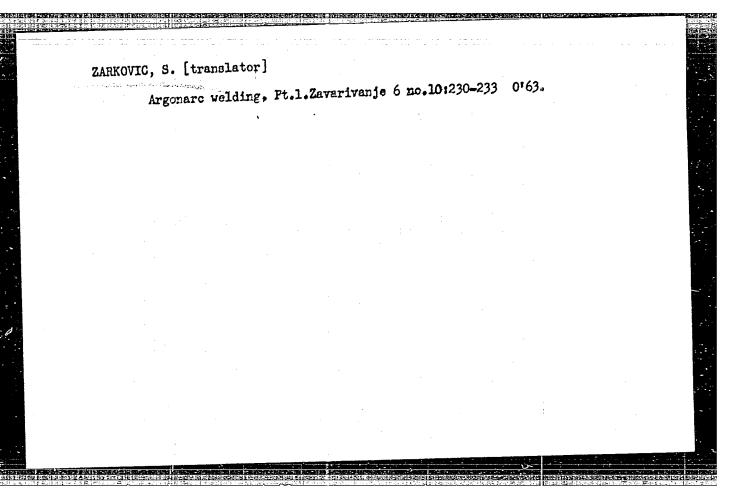
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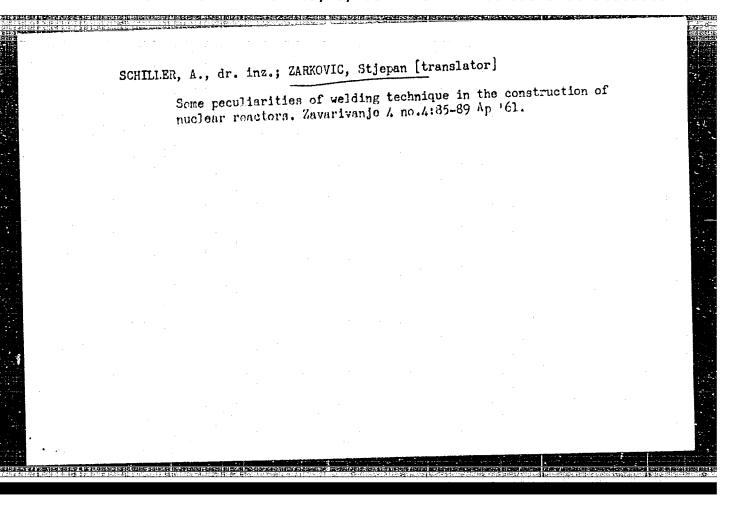
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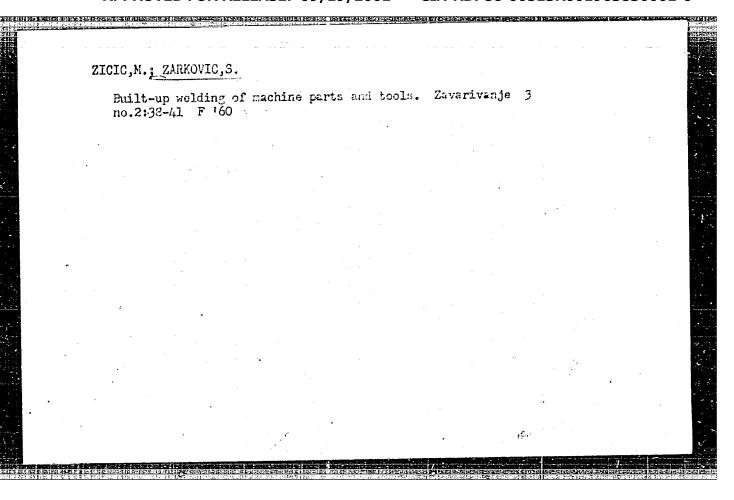
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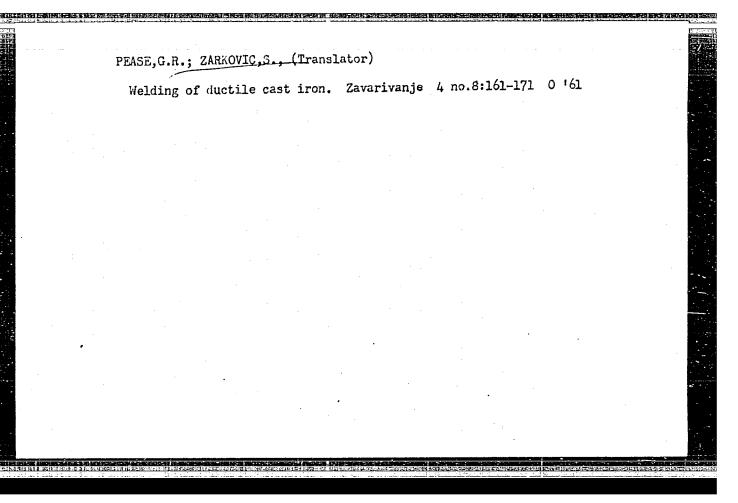


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1. Tvornica parnih kotlova, Zagreb.

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USSR / PHYSICS SUBJECT

CARD 1 / 2

PA - 1772

AUTHOR TITLE

ZARKOVSKIY, A.G., TGDES, O.M.

The Reflection of Waves by an Isotropic Inhomogeneous Layer.

Zurn.eksp.i teor.fis, 31, fasc.5, 815-818 (1956) PERIODICAL

Issued: 1 / 1957

Particular interest is caused in practice by strata-like media for which the optical constants within the layer and on is wondaries may suddenly change. For such cases the approximation method descussed the present paper is best

employed.

The Solution Method: Let us investigate an unlimited stratumlike inhomogeneous plate with the thickness d, upon which from the left a plane electromagnetic wave impinges under a certain angle θ_1 against the vertical. On this occasion the wave is partly reflected by the front boundary, partly passes through the layer, and emerges from the layer through a second boundary under a certain angle θ_2 . A formula is explicitly given for the constant distribution of the electromagnetic waves in the layers. The dielectricity constant $\mathcal{E}\left(z\right)$ and the conductivity o(z) are assumed to change along the layer according to a certain ruke. The medium located on the right and on the left of the layer as well as the layer itself are assumed to be nonferromagnetic with the dielectricity constant = 1. The reflection coefficient of the wave on the layer must be carried out separately for the waves which are polarized parallel and vertical to the plane of incidence. At first an s-wave is studied the electric vector of which is vertical to the plane of incidence. On this occasion the amplitude $E = E_{v}$

Zurn.eksp.i teor.fis,31,fasc.5,815-818 (1956) CARD 2 / 2 satisfies the following equation: $(\partial^2 E_y/\partial x^2) + (\partial^2 E_y/\partial z^2) + k^2(z)E_y = 0$. For the solution of this equation within the layer the following ansatz may be used: $E_y = \exp\left[ik(z)\sin\theta(z)x\right] \left\{E^{+}\exp\left[i\frac{\omega}{c}\int_{0}^{z}f_{s}(z)dz\right] + E^{-}\exp\left[-i\frac{\omega}{c}\int_{0}^{z}F_{s}(z)dz\right]\right\}$ By solution of the auxiliary equations derived therefrom in consideration of the boundary conditions for the inciding, reflected, and passed through waves it is possible to determine the reflection coefficient on the layer. In order to obtain an approximated solution the unknown functions f and F of the aforementioned auxiliary equation are developed in power series. The coefficients of these series satisfy the usual approximation of geometric optics. For layers that are much thinner then the wavelength, also developments in series are given and the coefficients of the series are computed by successive integration. In the case of p-waves the electric vector is in the plane of incidence and it is more to the purpose to solve the equation for the magnetic vector. The further computation of the reflection coefficient takes a similar course as above. In practice the first two or three terms of the series will be found sufficient. In conclusion an example is discussed in short.

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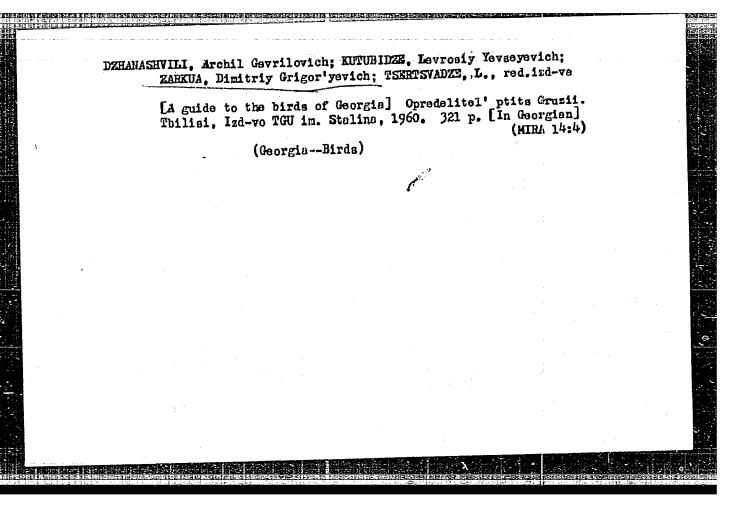
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(AGTA BICCHIMICA FOLGHICA, Vol. 1 Mo. 1/2, 1954, Marszawa, Folken)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, Mo. 5

May 1955, Uncl.





IUPERMAN, G.M.; GOGORISHVILI, P.V.; CONGLIASHVILI, A.N.; ZARKUA, N.P.

Preparation by the autoclave method of a solution of zinc sulfate from a concentrate of the Kvaisi sulfide ore deposit.

Trudy Inst.khim.AN Gruz.SSR 16:9-13 '62. (MIRA 16:4)

(Zinc sulfate) (Kvaisi region—Sulfide ores)

KUPEMAN, G.M.; GOGORISHVILI, P.V.; ZARKUA, N.P.; GONGLIASHVILI, A.N.

Extraction of copper from sulfide ores by the autoclave method.
Soob.AN Gruz.SSR 25 no.5:533-538 N 160. (MIRA 14:1)

1. Akademiya nauk Gruz.SSR, Institut khimii imeni P.G.Melikishvili,
Tbilisi. Predstavleno chlenom-korrespondentom Akademi G.V.
TSitsishvili. (Copper-Metallurgy)

KUPERMAN, G.M.; GVARAMADZE, D.Kh.; DZHIKIYA, S.I.; ZARKUA, N.P.

Obtaining soda from mirabilite and barite of Georgian deposits. Trudy Inst. khim. AN Gruz.SSR 11:117-125

'53. (MLRA 10:2)

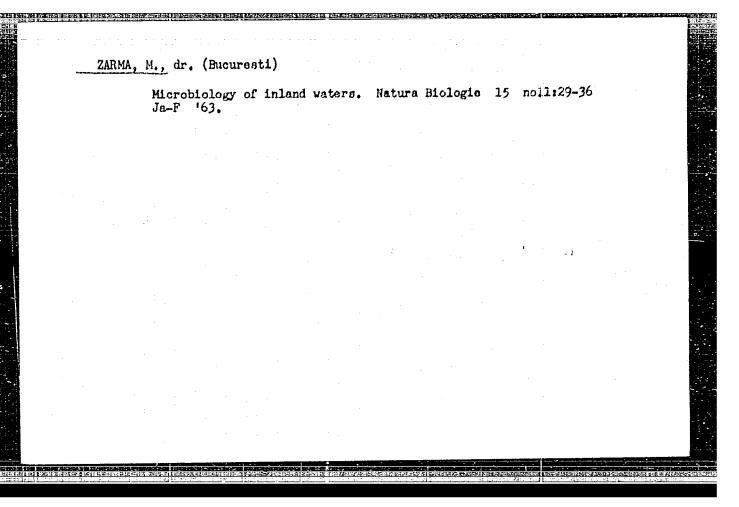
(Sodium sulfate) (Mirabilite) (Barite)

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SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Uncl.

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ZARCIA, M., Dr., Duckstest [affiliation not given]

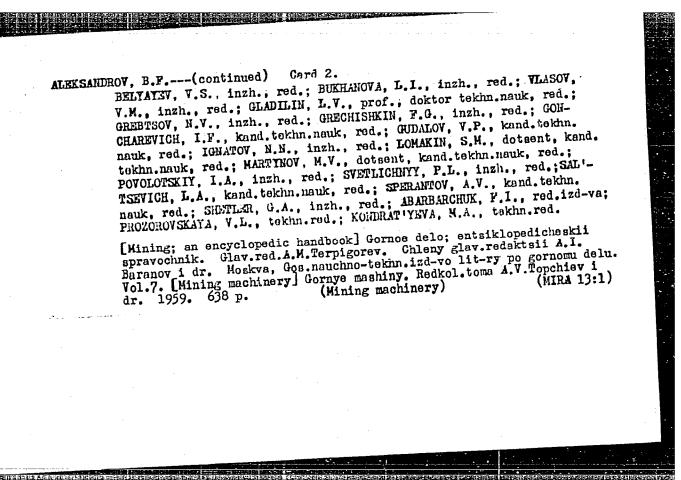
The Microbiology of Inland Vaters."

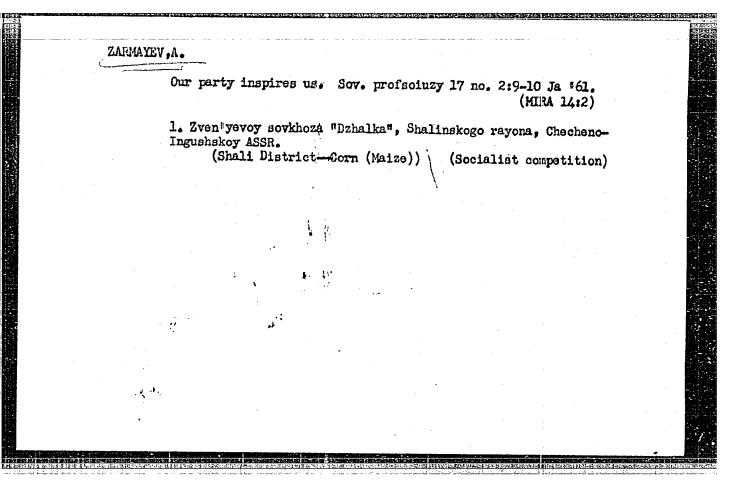
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A review article on the importance of the microbiology of inland vaters for secondaic purposes, and a plantitative description of the microorganisms in the quantitative description of the microorganisms, waters, the functions of bacteria and microorganisms, vaters, the functions of bacteria and microorganisms, in story, the functions discusses the importance of pisciculture, etc. Also discusses the importance of incoving the exact microbiology of weters in determining knowing the exact microbiology of weters in determining the type and exacts of nutritional additives to be used.

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ALEKSANDROV, B.F., inzh.; BALYKOV, V.M., inzh.; BARANOVSKIY, F.I., inzh.; BOGUTSKIY, N.V., inzh.; BUN'KO, V.A., kand.tekhn.nauk, dotsent; VAVILOV, V.V., inzh.; VOLOTKOVSKIY, S.A., prof., doktor tekhn.nauk; GRIGOR'YEV, L.Ya., inzh.; GRIDIN, A.D., inzh.; ZARMAN, L.N., inzh.; KOVALEY, P.F., kand.tekhn.nauk; KUZNETSOV, B.A., kand.tekhn.nauk, dotsent; KUSNITSYN, G.I., inzh.; LATYSHEV, A.F., inzh.; LEYBOV, R.M., doktor tekhn.nauk, prof.; LEYTES, Z.M., inzh.; LISITSYN, A.A., inzh.; LOKHANIN, K.A., inzh.; LYUBIMOV, B.N., inzh.; MASHKEVICH, K.S., inzh.; MALKHAS'YAN, R.V.; MILOSERDIN, M.M., inzh., MITNIK, V.B., kand.tekhn.nauk; MIKHEYEV, Yu.A., inzh.; PARAMONOV, V.I., inzh.; ROMANOVSKIY, Yu.G., inzh.; RUBINOVICH, Ye.Ye., inzh.; SAMOYLYUK, N.D., kand. tekhn.nauk; SMEKHOV, V.K., inzh.; SMOLDY-REV, A.Ye., kand.tekhn.nauk; SNAGIN, V.T., inzh.; SNAGOVSKIY, Ye.S., kand.tekhn.nauk; FEYGIN, L.M., inzh.; FRENKEL!, B.B., inzh.; FURMAN, A.A., inzh.; KHORIN, V.N., dotsent, kand.tekhn.nauk; CHET-VEROY, B.M., inzh.; CHUGUNIKHIN, S.I., inzh.; SHELKOVNIKOV, V.N., inzh.; SHIRYAYEV, B.M., inzh.; SHISHKIH, N.F., kand.tekhn.nauk; SHPIL BERG, I.L., inzh.; SHORIN, V.G., dotsent, kand.tekhn.nauk; SHTOKMAN, I.G., doktor tekhn.nauk; SHURIS, N.A., inzh.; TERPIGOREV, A.M., glavnyy red.; TOPCHIYEV, A.V., otv.red.toma; LIVSHITS, I.I., zamestitel' otv.red.; ABRAMOV, V.I., red.; LADYGIN, A.M., red.; MOROZOV, R.N., red.; OZERNOY, M.I., red.; SPIVAKOVSKIY, A.O., red.; FAYBISOVICH, I.L., red.; ARKHANCEL SKIY, A.S., inzh., red.; (Continued on next card)





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(RICKETTSIA PROMAZEKII immumol)

"APPROVED FOR RELEASE: 09/19/2001

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SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Microbiologia. Parazitologia. Epidemiologia, Vol VI,
No 4, Jul-Aug 1961, pp 281-295.

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ZARNEA, G., -Conf.-CRACEA, E., -Dr.-

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Includes 2 figures on the role of microorganisms in the cycling of nitrogen and carbon.

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Includes one table, 6 figures and 11 references, of which one Rumanian, one Russian, 2 German and 7 Western. -- Manuscript

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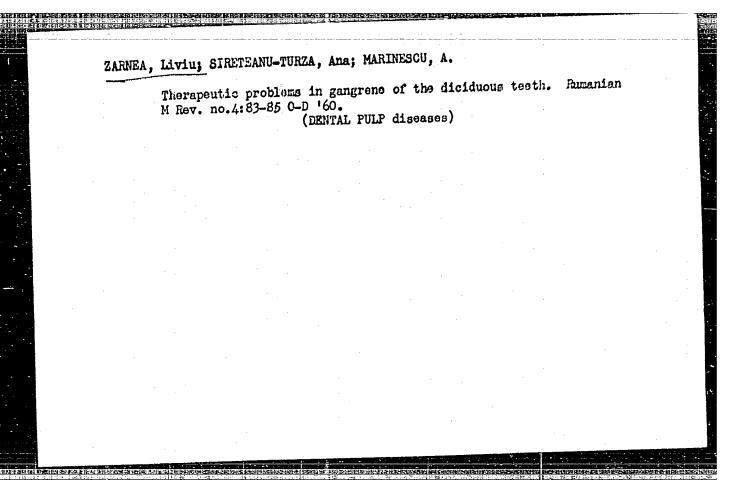
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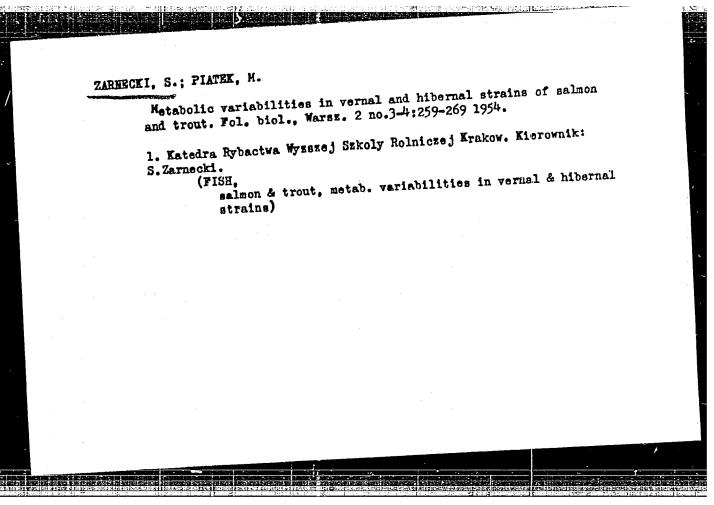
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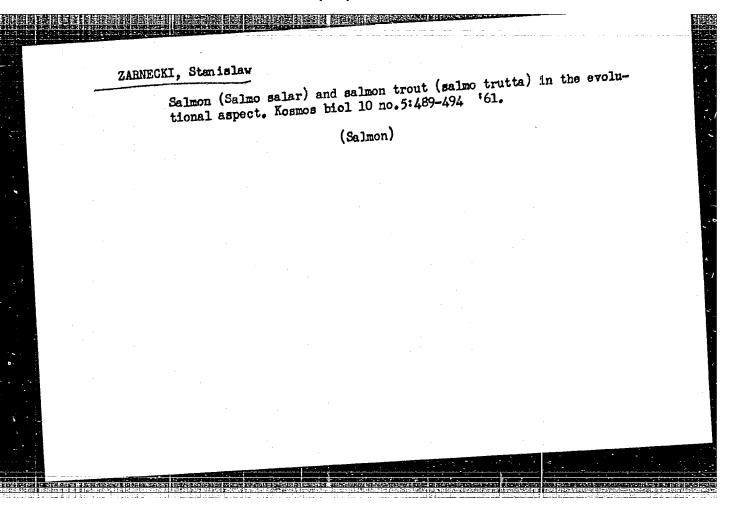
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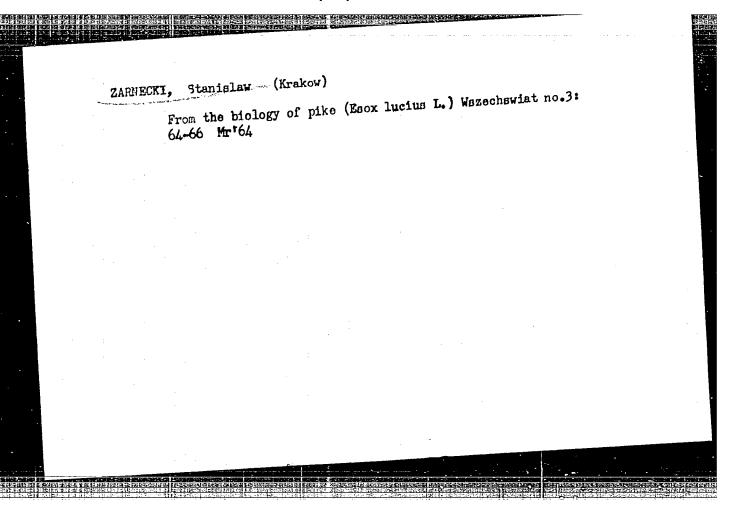
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Uncl.







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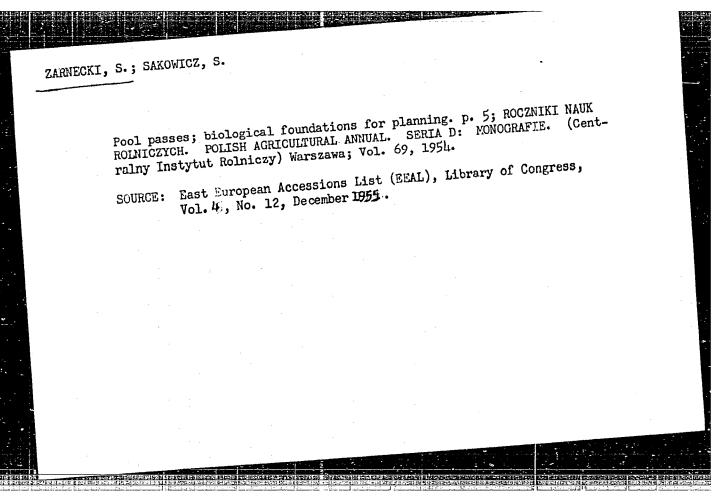
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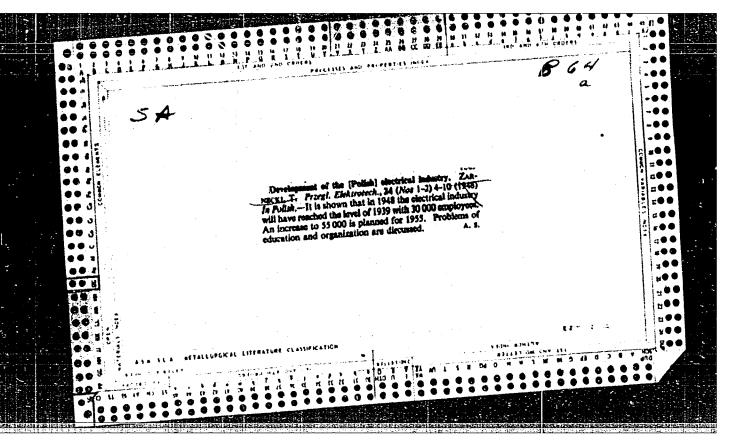
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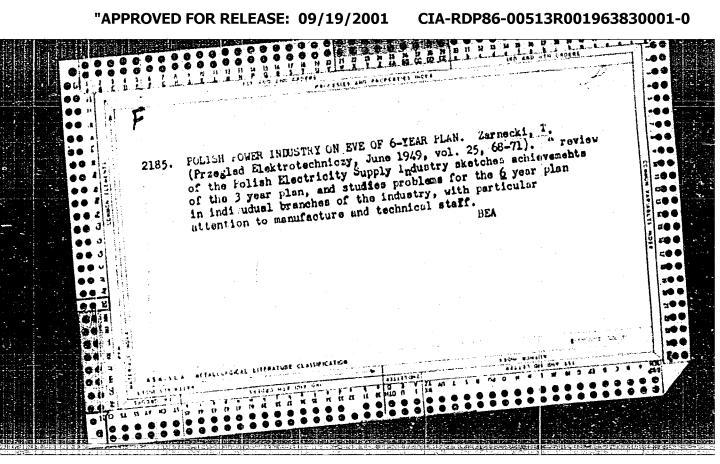
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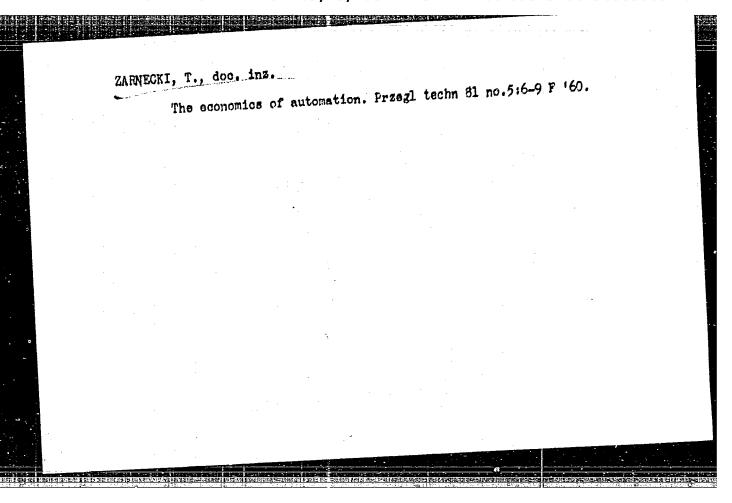
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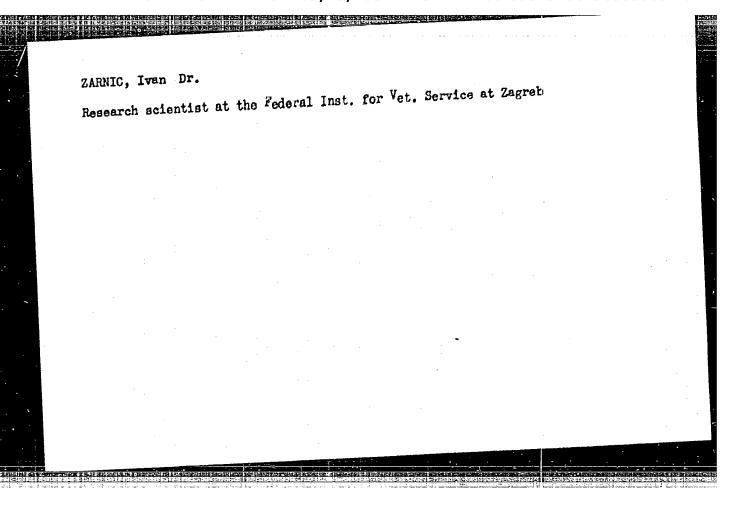
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